

Abstract of the Disclosure

A lithium secondary battery includes: a battery case, and an internal electrode body 1 contained in the battery case and including a positive electrode 2, a negative electrode 3, and a separator 4 made of porous polymer. The positive electrode and the negative electrode are wound and laminated through the separator so that the positive electrode and the negative electrode are not brought into direct contact with each other. The battery case is composed of pure aluminum or aluminum alloy in which one or more components selected from manganese, magnesium, silicon and copper is added in aluminum. The lithium secondary battery has high weight energy density, is superior in safety, and is used for, particularly, an electric vehicle.